AGENDA

Why undertake a mobility & bus redesign

How the study was done

What the suggested plan would do

Impacts of Proposed Bus Service

Q & A
Why a Mobility & Bus Redesign?
Development and Travel Patterns Have Changed

- Some bus routes have not changed in more than 50 years
- Some downtowns and shopping destinations have maintained demand, while others have not
- Employment at suburban office parks has declined and many sites are being redeveloped
- Travel flows have changed, with more flows occurring within the county
- New technologies
How the Study was Undertaken
Goals for the Mobility Plan

Design a high-performing, reliable, and easy-to-understand transportation system, emphasizing speed, convenience, directness, reliability, and comfort.

Create a family of service options to right-size mobility services for Westchester’s many travel markets.

Provide an equitable and socially just transportation network that provides opportunities for prosperity and quality of life to users of all ethnicities, incomes, abilities, and ages.

Project Timeline:

Feb 2020: Project Initiation
Analysis, Engagement, and Evaluation

- Robust analysis of current Bee-Line service and performance
  - Assessment of transit markets, travel patterns, demographics
  - Website, focus groups, and online public survey
  - Evaluation of both fixed-route and microtransit options

Project Timeline:

SP 2020-FA 2020: Existing Conditions Analysis
Analysis, Engagement, and Evaluation

- Robust evaluation of current Bee-Line service and performance
- Assessment of transit markets, travel patterns, demographics
- Website, focus groups, and online public survey
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Project Timeline:
SP 2020-FA 2020: Existing Conditions Analysis
Analysis, Engagement, and Evaluation

- Robust evaluation of current Bee-Line service and performance
- Assessment of transit markets, travel patterns, demographics
- **Website, focus groups, and online public survey**
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**Project Timeline:**
- **FA 2020-2021: 1st Phase Outreach**
- **Oct 2021: draft State of the System Report**

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**Let's shape the future of mobility in Westchester**

Westchester County is embarking on a study to better align the county’s mobility network with the needs of our residents, workers, and visitors.

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**Tradeoff Question:**
For weekday service, would you prefer to have more buses running more frequently or having more service earlier or later in the day?
Analysis, Engagement, and Evaluation

- Robust evaluation of current Bee-Line service and performance
- Assessment of transit markets, travel patterns, demographics
- Website, focus groups, and online public survey
- Evaluation of both fixed-route and microtransit options

Project Timeline:

FA 2021-SP 2022: Develop Draft Recommendations
Analysis, Engagement, and Evaluation

- Robust evaluation of current Bee-Line service and performance
- Assessment of transit markets, travel patterns, demographics
- Website, focus groups, and online public survey
- Evaluation of both fixed-route and microtransit options

2nd phase of public feedback
- Interactive Storymap, website updates, pop-ups, virtual meetings

Re-Evaluation based on recurring comments, resulting in some slight modifications

Project Timeline:
- July-Sept 2022: 2nd Phase Outreach
- Mar 2023: Final Report
- FA 2022-23: Modify Recommendations

Slider tool for online map allows for easy visual comparison of existing and suggested routes.
What Would the Suggested Bee-Line Network Achieve?

- Improve east-west connections
- Serve major destinations
- Strengthen NYC subway and Metro-North connections
- Streamline and simplify routes
- Run more service earlier, later, and on weekends
- Discontinue low-performing bus routes and route segments
- Introduce microtransit services
What Would the Suggested Bee-Line Network Achieve?

- **Improve east-west connections**
  - Example routes: 45, 78, 8, 13, 101, 103
- Serve major destinations
- Strengthen NYC subway and Metro-North connections
- Streamline and simplify routes
- Run more service earlier, later, and on weekends
- Discontinue low-performing bus routes and route segments
- Introduce microtransit services
What Would the Suggested Bee-Line Network Achieve?

- Improve east-west connections
- **Serve major destinations**
  - Example routes: 1X, 3, 15, 103, 105
- Strengthen NYC subway and Metro-North connections
- Streamline and simplify routes
- Run more service earlier, later, and on weekends
- Discontinue low-performing bus routes and route segments
- Introduce microtransit services
What Would the Suggested Bee-Line Network Achieve?

- Improve east-west connections
- Serve major destinations
- **Strengthen NYC subway and Metro-North connections**
  - Example routes: 4, 20, 21, 105, 45, 14, 15, 103
- Streamline and simplify routes
- Run more service earlier, later, and on weekends
- Discontinue low-performing bus routes and route segments
- Introduce microtransit services
What Would the Suggested Bee-Line Network Achieve?

- Improve east-west connections
- Serve major destinations
- Strengthen NYC subway and Metro-North connections

**Streamline and simplify routes**
- Example routes: 1, 13, 6, 40

- Run more service earlier, later, and on weekends
- Discontinue low-performing bus routes and route segments
- Introduce microtransit services
What Would the Suggested Bee-Line Network Achieve?

- Improve east-west connections
- Serve major destinations
- Strengthen NYC subway and Metro-North connections
- Streamline and simplify routes
- Run more service earlier, later, and on weekends
  - Example routes: 9, 60, 61, 15
- Discontinue low-performing bus routes and route segments
- Introduce microtransit services
Weekday: Longer Hours and Higher Frequency

- Increase in the of # of routes that have earlier start times, later end times, and more trips by hour of day

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<thead>
<tr>
<th>Frequency</th>
<th>4:00</th>
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<th>6:00</th>
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<td>+5%</td>
<td>+3%</td>
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<td>+24%</td>
<td>+22%</td>
<td>-3%</td>
<td>+6%</td>
<td>+8%</td>
<td>+1%</td>
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</tbody>
</table>

Change in percent of routes operating by hour

Does not include service added in microtransit zones
Weekends: Longer Hours and Higher Frequency

- Increase in the number of routes that have earlier start times, later end times, and more trips by hour of day

### Saturday

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<tr>
<th>Frequency</th>
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### Increased Access to Frequent Service
#### Morning Peak Period

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<tr>
<th></th>
<th>Access to Frequent Service</th>
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<tbody>
<tr>
<td></td>
<td>(Every 15 min or better, AM Peak)</td>
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<tr>
<td></td>
<td>Existing</td>
<td>Suggested</td>
<td>Increase</td>
</tr>
<tr>
<td>All Residents</td>
<td>49%</td>
<td>58%</td>
<td>9%</td>
</tr>
<tr>
<td>Jobs</td>
<td>49%</td>
<td>60%</td>
<td>11%</td>
</tr>
<tr>
<td>Zero-vehicle households</td>
<td>78%</td>
<td>85%</td>
<td>7%</td>
</tr>
<tr>
<td>Minority residents</td>
<td>65%</td>
<td>74%</td>
<td>9%</td>
</tr>
<tr>
<td>Households experiencing poverty</td>
<td>70%</td>
<td>77%</td>
<td>7%</td>
</tr>
<tr>
<td>Bus commuters</td>
<td>82%</td>
<td>89%</td>
<td>7%</td>
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</tbody>
</table>

Access = within a 1/2 mile (about 10-minute walk) of a Bee-Line bus stop or within a microtransit zone
What Would the Suggested Bee-Line Network Achieve?

- Improve east-west connections
- Serve major destinations
- Strengthen NYC subway and Metro-North connections
- Streamline and simplify routes
- Run more service earlier, later, and on weekends
- **Discontinue low-performing bus routes and route segments**
  - Example routes: 38, 39, 34, 12
- Introduce microtransit services
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- Improve east-west connections
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Suggested Microtransit Zones

- Peekskill/Verplanck
- Chappaqua – Bedford Hills – Armonk
- Ossining
- East of White Plains
- Port Chester
- Hartsdale
- Scarsdale
- Southern Yonkers
Fare Reciprocity

One fare for all Westchester County bus and rail travel

- Current Bee-Line local fare is $2.75
- Encourages use of Metro-North for longer trips within the county
- Will reduce cost barriers and shorten travel times
- Minor adjustments to proposed system plan if reciprocity not implemented

Photos: Wikimedia; ABC NY
Next Steps

1. Closely work with bus operator on implementation and phasing: tied to next contract

2. Work with municipalities to coordinate changes

3. Develop implantation plan

4. Once implementation plan is set upon, hold public hearings

5. Educate public on proposed changes, website, new maps, new schedules, etc
Questions?

Thank You!